

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Currently Amended) ~~The seed drill of claim 1, further comprising~~ A seed drill, comprising:
 - a frame;
 - a walking beam suspended from the frame and pivotable about a first pivot point;
 - a spring member connecting the walking beam to the frame and movably biasing the walking beam downward relative to the frame;
 - a first disk and a second disk rotatably mounted to opposite ends of the walking beam and positioned adjacent one another, the first and the second disks being positioned on opposite sides of the first pivot point; and -

an arm member having a first portion pivotably attached to the walking beam at the first pivot point and a second portion pivotably attached to the frame at a second pivot point, wherein pivotal movement of the walking beam about the first pivot point causes upward movement of one of the first and second disks and downward movement of the other of the first and second disks relative to the first pivot point, and further wherein pivotal movement of the arm member about the second pivot point causes vertical displacement of the walking beam relative to the frame.

Claims 3.-4. (Canceled)

5. (Currently Amended) ~~The seed drill of claim 1,~~ A seed drill, comprising:
a frame;
a walking beam suspended from the frame and pivotable about a first pivot point;
a spring member connecting the walking beam to the frame and movably biasing the
walking beam downward relative to the frame; and
a first disk and a second disk rotatably mounted to opposite ends of the walking beam and
positioned adjacent one another, the first and the second disks being positioned on opposite sides
of the first pivot point;

wherein the first pivot point is offset from the center of the walking beam and is located closer to the second disk than the first disk, wherein the spring member transmits downward force to the walking beam at a point proximate the first pivot point, whereby a greater portion of the downward force is transmitted to the second disk than the first disk.

Claims 6.-13. (Canceled)

14. (Currently Amended) ~~The seed drill of claim 9,~~ A seed drill, comprising:
a frame;
a walking beam suspended from the frame and pivotable about a first pivot point;
a first disk and a second disk rotatably mounted to the walking beam and positioned on
opposite sides of the first pivot point; and
a closing disk suspended from the frame by a closing disk suspension, the closing disk
being suspended from the frame independently of the walking beam;

wherein the first pivot point is offset from the center of the walking beam and is located closer to the second disk than the first disk, wherein the spring member transmits downward force to the walking beam at a point proximate the first pivot point, whereby a greater portion of the downward force is transmitted to the second disk than the first disk.

Claims 15.-19. (Canceled)

20. (Currently Amended) ~~The seed drill of claim 16, further comprising~~ A seed drill,
comprising:

a frame;
a walking beam having a first disk and a second disk rotatably mounted thereto, the
walking beam defining a first pivot point between the first disk and the second disk;
an arm member having a first portion pivotably attached to the walking beam at the first
pivot point and a second portion pivotably attached to the frame at a second pivot point;
wherein pivotal movement of the walking beam about the first pivot point causes upward
movement of one of the first and second disks and downward movement of the other of the first
and second disks relative to the first pivot point;
further wherein pivotal movement of the arm member about the second pivot point
causes vertical displacement of the walking beam relative to the frame; and
a spring member connecting the frame and the walking beam and biasing the walking
beam vertically downward relative to the frame.

21. (Original) The seed drill of claim 20, wherein the first pivot point is offset from the center of the walking beam and is located closer to the second disk than the first disk, wherein the spring member transmits greater downward force to the second disk than the first disk.

22. (Original) The seed drill of claim 21, wherein the first pivot point is disposed within a radial periphery defined by the second disk.

Claims 23.-25. (Canceled)

26. (Currently Amended) ~~The seed drill of claim 16,~~ A seed drill, comprising:
a frame;
a walking beam having a first disk and a second disk rotatably mounted thereto, the
walking beam defining a first pivot point between the first disk and the second disk;
an arm member having a first portion pivotably attached to the walking beam at the first
pivot point and a second portion pivotably attached to the frame at a second pivot point;

wherein pivotal movement of the walking beam about the first pivot point causes upward movement of one of the first and second disks and downward movement of the other of the first and second disks relative to the first pivot point; and

further wherein pivotal movement of the arm member about the second pivot point causes vertical displacement of the walking beam relative to the frame;

wherein the first disk and the second disk define a vertical axis midway therebetween, the first pivot point being positioned between the center of the second disk and the vertical axis and the second pivot point being positioned forward of the vertical axis.

27. (Original) The seed drill of claim 26, wherein the second pivot point is positioned forward of the first disk.

Claims 28.-31. (Canceled)

~~33~~ 32. (Currently Amended) ~~The method of claim 30;~~ A method of forming a furrow in uneven terrain, comprising:

(a) providing a walking beam having a first disk and a second disk rotatably mounted to opposite ends thereof;

(b) aligning the walking beam along a direction of travel and moving the walking beam forwardly along the direction of travel over the uneven terrain while allowing the uneven terrain to pivot the walking beam about a pivot point located between the first and second disks; and

(c) applying downward force to the walking beam at the pivot point and thereby maintaining both the first disk and second disk in substantially constant contact with the uneven terrain, thereby forming the furrow; and

wherein the pivot point is offset from the middle of the walking beam and is closer to the second disk than the first disk, whereby a greater portion of the downward force is applied to the second disk than the first disk.